C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.4.f 4 O'Clock (PEER 9) Chipmunk Tests from MCR

C-A-OPM Procedures in which this Attachment is used.		
4.120.4		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____***Signature on File***_____ _____
Collider-Accelerator Department Chairman Date

V. Castillo

4.120.4.f 4 O'Clock (PEER 9) Chipmunk Tests from MCR

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ Checksum: _____

Division B Software Filename and Checksum: Title:_____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: _____/____/_____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number:_____

Test Team Leader's Name (Sign): _____ Date: _____/____/_____

Test results reviewed by:

Safety Section Head's Name (Print):_____ Life Number: _____

Safety Section Head's Name (Sign):_____ Date: _____/____/_____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print):_____ Life Number: _____

RSC Member's Name (Sign):_____ Date: _____/____/_____

		Do Divisions in series	
1.1	**TEST**	Chipmunk **C250 located at 4GI1 – RF** in **MODE 2**	
□	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
□	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	DETACH	Cable from Chipmunk	
□	**VERIFY**	**MCR** sees Chipmunk as	**TRIP & FAILSAFE**
□	**VERIFY**	Attempt to **reset Trip & Failsafe** at **MCR**	**FAIL**
	CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	PRESS	**A Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**RAD**
	PRESS	**B Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div B** as	**RAD**
	RESET	**Rad Interlock** at **MCR**	
□	**VERIFY**	**MCR** sees C250 **Div A** □ and **Div B** □ are	**OK**
	PRESS	**A Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**FAILSAFE**
	PRESS	**B Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div B** as	**FAILSAFE**
	RESET	**Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees C250 **Div A** □ and **Div B** □ are	**OK**
	DETACH	Chipmunk **Test box** from cable	
	CONNECT	**Chipmunk** to cable	
□	**VERIFY**	**Chipmunk** is	**CHIRPING**
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees **Chipmunk**: **Div A** □ and **Div B** □ as	**O.K.**

□ **Check for acceptance of Test Chipmunk C250 in Mode 2**

1.2	**TEST**	Chipmunk **C251 located at 1005S 4GE3 labyrinth** in **MODE 2**	
□	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
□	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	DETACH	Cable from Chipmunk	
□	**VERIFY**	**MCR** sees Chipmunk as	**TRIP & FAILSAFE**
□	**VERIFY**	Attempt to **reset Trip & Failsafe** at **MCR**	**FAIL**
	CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	PRESS	**A Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**RAD**
	PRESS	**B Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div B** as	**RAD**
	RESET	**Rad Interlock** at **MCR**	
□	**VERIFY**	**MCR** sees C251 **Div A** □ and **Div B** □ are	**OK**

	PRESS	**A Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**FAILSAFE**
	PRESS	**B Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div B** as	**FAILSAFE**
	RESET	**Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees C251 **Div A** □ and **Div B** □ are	**OK**
	DETACH	Chipmunk **Test box** from cable	
	CONNECT	**Chipmunk** to cable	
□	**VERIFY**	**Chipmunk** is	**CHIRPING**
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees **Chipmunk**: **Div A** □ and **Div B** □ as	**O.K.**

□ **Check for acceptance of Test Chipmunk C251 in Mode 2**

1.3 **TEST** Chipmunk **C252 located at 1004A – 4GE2** in **MODE 2**

□	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
□	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	DETACH	Cable from Chipmunk	
□	**VERIFY**	**MCR** sees Chipmunk as	**TRIP & FAILSAFE**
□	**VERIFY**	Attempt to **reset Trip & Failsafe** at **MCR**	**FAIL**
	CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees Chipmunk: **Div A** □ and **Div B** □ as	**O.K.**
	PRESS	**A Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**RAD**
	PRESS	**B Div Trip** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**RAD**
	RESET	**Rad Interlock** at **MCR**	
□	**VERIFY**	**MCR** sees C252 **Div A** □ and **Div B** □ are	**OK**
	PRESS	**A Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div A** as	**FAILSAFE**
	PRESS	**B Div Fail** button on the **test box**	
□	**VERIFY**	**MCR** sees the Chipmunk **Div B** as	**FAILSAFE**
	RESET	**Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees C252 **Div A** □ and **Div B** □ are	**RESET**
	DETACH	Chipmunk **Test box** from cable	
	CONNECT	**Chipmunk** to cable	
□	**VERIFY**	**Chipmunk** is	**CHIRPING**
	RESET	**Interlock & Failsafe** at **MCR**	
□	**VERIFY**	**MCR** sees **Chipmunk**: **Div A** □ and **Div B** □ as	**O.K.**

□ **Check for acceptance of Test Chipmunk C252 in Mode 2**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: _____/____/_____

TTL: Sign for completion of final testing: _____

Date: _____/_____/_____